

REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER
(ER 1130-2-306)

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DATE March 15, 2002

TO: THE RECORD

FROM: U.S. Army Corps of Engineers
26 Federal Plaza, ATTN: CENAN-OP-ST
New York, NY 10278-0090

RIVER/HARBOR NAME AND STATE:

Red Hook Flats Anchorage portion of New York Harbor
Navigation Project, NY.

**MINIMUM DEPTHS IN EACH ¼ WIDTH OF
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER <i>(feet)</i>	LEFT INSIDE QUARTER <i>(feet)</i>	RIGHT INSIDE QUARTER <i>(feet)</i>	RIGHT OUTSIDE QUARTER <i>(feet)</i>
		WIDTH <i>(feet)</i>	LENGTH <i>(miles)</i>	DEPTH <i>(feet)</i>				
1. 45 ft deep anchorage area (from a point 1000 ft southward from "RED BELL 2 FLOOD" to "RED GAS # 24 EBB")	15 Feb 2001	0/3,000	0.91	45	44.0	46.1	45.2	43.3
2. 40 ft deep anchorage area (from "RED GAS # 24 EBB" to "RED BELL #26 FLOOD")	15 Feb 2001	3,000/4,200	0.83	40	43.0	40.4	39.2	39.2
3. Southern section of 35 ft deep anchorage area (from "GREEN BELL NO.5 EBB" to "YELLOW GAS C EBB")	15 Feb 2001	4,600	0.87	35	41.1	39.1	37.4	26.6
4. Northern section of 35 ft deep anchorage area (from "YELLOW GAS C EBB" to the northern end at "RED GAS & BELL 28 FLOOD")	15 Feb 2001 & 3 Jan 2002	3,300	1.67	35	40.1*	36.6*	34.5	33.8

REMARKS *(Continue on reverse)*

- All depth are in MLW
- Only minor shoaling at the north end of the 45 ft deep area, at east and west. Project depth available at least on a 2,200 ft width.
- Several small shoals at the north 500 ft length of the east half of the 40 ft deep section elsewhere the project depth is available.
- Significant, approximately 500'x700' large shoal in the right outside ¼ of the Southern section of the 35 ft deep area starting 100 ft east from "YELLOW GAS C EBB".
- Only small number of minor shoals in the Northern section of 35 ft deep anchorage area.

* Soundings for the western half of 35 ft deep section are from the 15 Feb 2001 survey.